

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number  
**WO 2005/047229 A2**

(51) International Patent Classification<sup>7</sup>: C07C 209/84,  
211/42, A61K 31/135

(74) Agents: WAIN, Christopher, Paul et al.; A.A. Thornton  
& Co., 235 High Holborn, London WC1V 7LE (GB).

(21) International Application Number:  
PCT/GB2004/004672

(22) International Filing Date:  
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
1158/MUM/2003 4 November 2003 (04.11.2003) IN

(71) Applicant (for all designated States except US): CIPLA  
LIMITED [IN/IN]; 289 Bellasis Road, Mumbai Central,  
Mumbai 400 008 (IN).

(71) Applicant (for MW only): WAIN, Christopher, Paul  
[GB/GB]; 235 High Holborn, London WC1V 7LE (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RAO, Dharmaraj,  
Ramachandra [IN/IN]; 4/403 Garden Enclave, Pokhran  
Road 2, Thane (West), Mumbai 400 601, Maharashtra (IN).  
KANKAN, Rajendra, Narayanrao [IN/IN]; A-3/5, NBD  
Society, NSS Road, Ghatkopar (West), Mumbai 400 084,  
Maharashtra (IN).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF POLYMORPHS OF SELECTIVE SEROTONIN REUPTAKE INHIBITOR

(57) Abstract: The present invention is directed to Form II, III, IV and V of sertraline hydrochloride and methods for its prepara-  
tion. According to the present invention, the various polymorphs of sertraline hydrochloride may be produced either, directly from  
sertraline base or sertraline acetate.

WO 2005/047229 A2